



Innovative Timber Ideas

Organix

www.organixpine.com

the everyday outdoor timber solution

suitable for above ground situations

guaranteed 25 years

free of heavy metals

low embodied energy

sustainable plantation pine



SUSTAINABLE PRODUCTS FROM ITI (AUST)





The Organix innovation creates a sustainable everyday outdoor timber solution that is sensitive to its natural surroundings from harvest to construction.

Organix plantation pine

- Timber for all above ground outdoor applications
- Superior appearance and presentation
- Waxes added to limit moisture uptake and release to improve dimensional stability



the everyday outdoor timber solution

- Suitable for use in high human contact areas
- Resistant to decay and insect attack, including termites in all above ground applications
- Non corrosive to galvanised nails and fixings
- Light weight and versatile in application
- Safe to handle when used as recommended

End use applications

Organix is designed to be used in many outdoor structural and decorative applications including high contact surfaces. For example: pergolas, decking, hand rails, bearers and joists. The preservative process ensures that Organix complies with Australian standards for H3, and therefore may be used in all above ground applications.

25 year*
DURABILITY
GUARANTEE



Sustainable plantation timber

All timber used in Organix products are sourced from renewable plantation pine forests. These 20 to 40 year old forests are sustainably managed and harvested with best industry practices to minimise environmental impact and replanted for the long term supply of sustainable timber into the market. Plantation grown forests absorb more green house gases per hectare than old growth forests. Seedlings grow and store carbon until harvested where the stored carbon is removed from site in the logs. New seedlings are replanted to restart the carbon absorption process again.

Logs and then timber is milled into final product profiles with off cuts and sawdust recycled back through the mill to create heat for kilns - reducing the energy drawn from non renewable sources.

Energy efficient

Timber is a unique building material. Trees have the ability to absorb green house gasses and release oxygen back into the atmosphere whilst storing carbon (derived from CO₂). In production, timber is also a very energy efficient alternative when compared to other building material. The table below shows the embodied energy

and carbon released from the production of alternatives. In this way, using timber assists in offsetting global warming as well as being a sustainable and renewable resource.

Organic preservation system

The innovative preservation system used in Organix incorporates organic chemistry to deliver the active ingredients into the timber for long term resistance to decay and insect attack. The preservative used in Organix offers a significant benefit to the product as it is a dry treatment, this meaning the preservative is free of water and does not alter the dimensions of the timber during the preservation process. This in turn allows the product to have greater dimensional stability when exposed to climatic change.

This system contains a wax which is impregnated into the timber, increasing water repellency to reduce the effects of weathering over time.

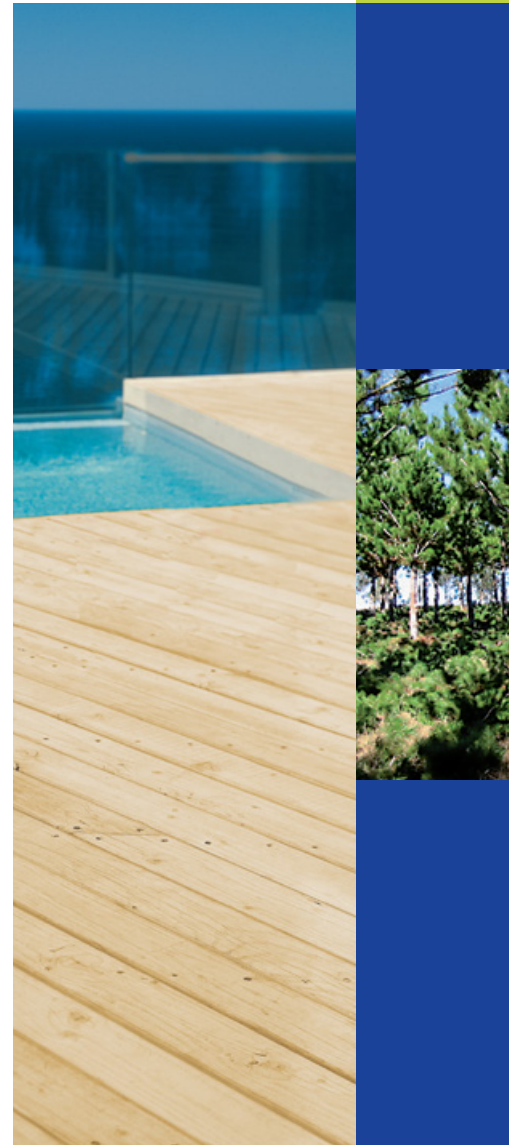
Limited Guarantee

Organix is covered by a 25 year limited durability guarantee against fungal decay and insect attack when exposed to above ground H3 applications.

*For further information please refer to organixpine.com

Material	Fossil fuel energy used in production (MJ/m ³)	Carbon released (Kg/m ³)	Carbon stored (Kg/m ³)
Timber	750	15	250
Steel	266,000	5320	0
Concrete	4,800	120	0
Aluminium	1,100,000	22,000	0

m³ = Cubic metre Kg = Kilogram MJ = Mega Joule



SPAN TABLES
available online

www.organixpine.com

Coatings

A well maintained surface coating will enhance the surface appearance of all wooden products

- Organix pine may be coated with most primers. To prepare for painting, always refer to the primer product labels to ensure suitability otherwise the top coat may be affected. It is recommended a light coloured topcoat is used to prevent temperature build up in the timber. If boards are exposed to elevated temperatures, they become prone to cupping or cracking as well as resin bleed.
- Organix products may be coated with most water repellents and stains once construction is complete. Always follow the manufacturer's instructions.
- Organix is treated against decay and termite attack but painting or staining of all fully exposed sections of the structure will give best possible performance against discolouration, surface mould, and dimensional stability.

Fixings

The Organix preservative has been designed for long term performance in outdoor, above ground applications which will require high quality, corrosion resistant fasteners and fittings. Recommended fasteners are hot dipped galvanised and stainless steel as per the Building Code of Australia.

Disposal

The off cuts of Organix should be disposed of in landfills in accordance with local regulations and are not to be burnt in domestic fires including BBQ's. The preserved timber shavings are not to be used as mulch and should be disposed of in a local landfill.

Health and Safety

- Organix should be handled like any other treated timber. Wash hands after use and avoid inhalation of dust when cutting.
- For further health and safety guidelines please refer to organixpine.com

Product Range

Description	Size	Grade	Lengths
Structural Boards	42/70/90/140/190 x 35	MGP10	3.6, 4.2, 4.8, 5.4, 6.0
	45/70/90/140 x 45	MGP10	3.6, 4.2, 4.8, 5.4, 6.0
	190/240 x 45	MGP10	3.6, 4.2, 4.8, 5.4, 6.0

Please note: All sizes may not be available in all states

Installation

Organix is easy to work with - it's timber!

1. Cut or shape to desired length
2. Apply preservative re-sealer
3. Fix into place
4. Apply stain or paint as per coating manufacturers' instructions.



For further Information
please contact your
nearest ITI Office

ITI (NSW) - Sydney
(02) 8805 5000

ITI (NSW) - Newcastle
(02) 4653 7666

ITI (QLD) - Brisbane
(07) 3718 5700

ITI (VIC) - Melbourne
(03) 9392 8400

ITI (SA) - Adelaide
(08) 8447 0400

ITI (WA) - Perth
(08) 9434 2799

Claims made in this brochure refer only to the Organix product range specified as all treated pine is not equal.